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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	29.127	24.622	29.546	-	29.546	24.448	24.593	24.444	24.655	Continuing	Continuing
322: <i>Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)</i>	17.687	12.835	18.039	-	18.039	18.722	18.886	18.711	18.827	Continuing	Continuing
F19: <i>JADOCS</i>	11.440	11.787	11.507	-	11.507	5.726	5.707	5.733	5.828	Continuing	Continuing

Note

The increase in the FY12 funding of \$8.000 million is to fund requirements for AFATDS Increment II Capability Development Document (CDD).

The increase in the FY12 funding of \$5.890 million is to fund upgrade and sustain JADOCS (273726.F19)

A. Mission Description and Budget Item Justification

The Advanced Field Artillery Tactical Data System (AFATDS) automates fire support planning and coordination for the Army, Navy, and Marine Corps. AFATDS automates the planning, coordinating and controlling of all fire support assets in the Joint battlespace (field artillery, mortars, close air support, naval gunfire, attack helicopters, and offensive electronic warfare) from Echelons Above Corps to Battery or Platoon in support of all levels of conflict. As a result of Operation Iraqi Freedom (OIF)/Operation Enduring Freedom (OEF), AFATDS has implemented precision fires capabilities in new/improved munitions such as Multiple Launch Rocket System (MLRS) Unitary Vertical Attack, Excalibur, Smart and 155 Bonus. Additional implemented capabilities include automatic conduct of Unit Fratricide Avoidance Checks and Collateral Damage Avoidance. AFATDS will interoperate with the other Army Battle Command Systems, current and future Army, Navy and Air Force Command and Control weapon systems, and the German, French, British, and Italian fire support systems. The system is composed of common hardware/software employed in varying configurations at different operational facilities (or nodes) and unique system software interconnected by tactical communications in the form of a software-driven, automated network. The system is currently fielding non-developmental, rugged common hardware, running the Windows Operating System. The total force will be fielded a Windows based platform by fiscal year 2013.

Joint Automated Deep Operations Coordination System (JADOCS) is a Joint, Interagency, and Multinational (JIM) Targeting, Mission Management, and Common Operational Picture (COP) Windows based software suite which functions as a complementary system to the AFATDS. JADOCS provides integration and synergy between multiple Command & Control (C2) systems of the uniformed services, and Joint and combined elements involved in the targeting process and performs coordination and calculates collateral damage. JADOCS Mission Managers support this coordination amongst Warfighter functional areas to rapidly execute critical missions. JADOCS is a component of the Integrated Fires Family of Systems (FOS) and complementary to the Army Battle Command Systems (ABCS) System of Systems (SoS).

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army				DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE				
2040: Research, Development, Test & Evaluation, Army		PE 0203726A: Adv Field Artillery Tactical Data System				
BA 7: Operational Systems Development						
B. Program Change Summary (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget		29.174	24.622	16.497	-	16.497
Current President's Budget		29.127	24.622	29.546	-	29.546
Total Adjustments		-0.047	-	13.049	-	13.049
• Congressional General Reductions			-			
• Congressional Directed Reductions			-			
• Congressional Rescissions		-	-			
• Congressional Adds			-			
• Congressional Directed Transfers			-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Adjustments to Budget Years		-	-	8.000	-	8.000
• Other Adjustments 1		-	-	5.890	-	5.890
• Other Adjustments 2		0.357	-	-0.641	-	-0.641
• Other Adjustments 3		-0.404	-	-0.200	-	-0.200

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System				PROJECT 322: Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
322: Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)	17.687	12.835	18.039	-	18.039	18.722	18.886	18.711	18.827	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Advanced Field Artillery Tactical Data System (AFATDS) automates fire support planning and coordination for the Army, Navy, and Marine Corps. AFATDS automates the planning, coordinating and controlling of all fire support assets in the Joint battlespace (field artillery, mortars, close air support, naval gunfire, attack helicopters, and offensive electronic warfare) from Echelons Above Corps to Battery or Platoon in support of all levels of conflict. As a result of Operation Iraqi Freedom (OIF)/Operation Enduring Freedom (OEF), AFATDS has implemented precision fires capabilities in new/improved munitions such as Multiple Launch Rocket System (MLRS) Unitary Vertical Attack, Excalibur, Smart and 155 Bonus. Additional implemented capabilities include automatic conduct of Unit Fratricide Avoidance Checks and Collateral Damage Avoidance. AFATDS will interoperate with the other Army Battle Command Systems, current and future Army, Navy and Air Force Command and Control weapon systems, and the German, French, British, and Italian fire support systems. The system is composed of common hardware/software employed in varying configurations at different operational facilities (or nodes) and unique system software interconnected by tactical communications in the form of a software-driven, automated network. The system is currently fielding non-developmental, rugged common hardware, running the Windows Operating System. The total force will be fielded a Windows based platform by fiscal year 2013. The increase in the FY12 - 16 funding of \$8.000 million per year is to fund requirements for AFATDS Increment II Capability Development Document (CDD).											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Program Support Costs for AFATDS software development efforts Articles: Description: Provide program support for AFATDS software development efforts for Versions 6.6, 6.7, 6.8 and 6.9. FY 2010 Accomplishments: Funded program support for AFATDS software development efforts FY 2011 Plans: Continue program support for AFATDS software development efforts FY 2012 Base Plans: Future program support for AFATDS software development efforts							1.025	1.087	1.244	-	1.244
							0	0			
Title: AFATDS software development efforts costs							11.575	8.748	13.235	-	13.235

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army				DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System		PROJECT 322: Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Articles:		0	0			
Description: Complete development of Versions 6.7 and 6.8. Intitate development of Version 6.9						
FY 2010 Accomplishments: Continued AFATDS software development efforts for Version 6.7 and Version 6.8.						
FY 2011 Plans: Complete AFATDS software development versions 6.7 and 6.8.						
FY 2012 Base Plans: Initiate AFATDS software Version 6.9 development effort.						
Title: Voice Recognition/Technology Insertion		2.000	-	-	-	-
Articles:		0				
Description: Voice Recognition/Technology Insertion						
FY 2010 Accomplishments: Completed Voice Recognition/Technology Insertion.						
Title: Testing		2.800	3.000	3.560	-	3.560
Articles:		0	0			
Description: Conduct and support test activities						
FY 2010 Accomplishments: Conducted and supported AFATDS test activities.						
FY 2011 Plans: Conduct and support AFATDS test activities.						
FY 2012 Base Plans: Conduct and support AFATDS test activities.						
Title: Small Business Innovative Research/Small Business Technology transfer program		0.287	-	-	-	-
Articles:		0				
Description: Small Business Innovative Research/Small Business Technology transfer program						

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System				PROJECT 322: Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
FY 2010 Accomplishments: Supported Small Business Innovative Research/Small Business Technology transfer program												
Accomplishments/Planned Programs Subtotals								17.687	12.835	18.039	-	18.039
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
• B28600: ADV FA TAC DATA SYS	1.536	4.240	0.337	5.782	6.119		0.232			Continuing	Continuing	
• B28620: MOD OF IN-SVC EQUIP, AFATDS	29.175	35.608	34.556		34.556		17.194	10.148	10.053	Continuing	Continuing	
D. Acquisition Strategy												
AFATDS began fielding in 1996, with the original AFATDS Version 96 Materiel Release. It has been updated with subsequent releases reflecting the Spiral development strategy of the program. Full Materiel Release of AFATDS 6.5.0.1 (Windows version) was achieved in Aug 2009. Full Materiel Release of AFATDS 6.6.0 (Windows version) was achieved in June 2010. AFATDS 6.7 is nearing completion and will be fielded in FY2011.												
Development efforts will continue to enhance Command and Control for precision weapons, Excalibur Height above Ellipsoid (HAE), Active Weapon Target pairing and Unexploded Ordnance (UXO) area computations. It will also provide backward interoperability to Pass and Subscribe Services (PASS) and AFATDS XML Engine (AXE) for Software Block 2 (SWB2) to enable connection to SWB1/1+ versions.												
AFATDS Capability Development Document (CDD) is under development and currently going through Joint Requirements Oversight Council (JROC) review. JROC approval is expected in Fiscal Year 2011. AFATDS also continues to develop to Battle Command Capability Set requirements.												
E. Performance Metrics												
Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System				PROJECT 322: Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	SS/FP	PM Battle Command (BC):Ft. Monmouth/ APG, MD	14.307	1.012		1.164		-		1.164	Continuing	Continuing	Continuing
SBIR/STTR	SS/FP	Ft. Monmouth, NJ:Ft. Monmouth, NJ	-	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			14.307	1.012		1.164		-		1.164			
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	SS/CPAF	Raytheon Systems Corp.:Ft. Wayne, IN	282.803	8.748		13.235		-		13.235	Continuing	Continuing	Continuing
Subtotal			282.803	8.748		13.235		-		13.235			
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Information Assurance	C/FP	CSC:Eatontown, NJ	0.195	0.075		0.080		-		0.080	Continuing	Continuing	Continuing
Subtotal			0.195	0.075		0.080		-		0.080			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	C/FP	Titan and various contractors:Various Locations	0.195	1.950		2.360		-		2.360	Continuing	Continuing	Continuing
Limited User Test/Government Confidence Demo	C/FP	Army Test & Evaluation Command	11.052	1.050		1.200		-		1.200	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>				PROJECT 322: <i>Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)</i>					

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		(ATEC)/Fire Support Test Directorate (FSTD): Various Locations											
Subtotal			11.247	3.000		3.560		-		3.560			

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	308.552	12.835		18.039		-		18.039			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>		PROJECT 322: <i>Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)</i>	

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Materiel Release V6.6 (BC 10 - Marshall)																												
Fielding V6.6 (BC 10 - Marshall)																												
Materiel Release V6.7 (BC 11 - MacArthur)																												
Fielding V6.7 (BC 11 - MacArthur)																												
Materiel Release V6.8 (BC 13 - Eisenhower)																												
Fielding V6.8 (BC 13 - Eisenhower)																												
Development and Testing V6.9 (BC 15 - Arnold)																												
Materiel Release V6.9 (BC 15 - Arnold)																												
Fielding V6.9 (BC 15 - Arnold)																												
Development and Testing V7.0																												
Materiel Release V7.0																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY

2040: *Research, Development, Test & Evaluation, Army*
BA 7: *Operational Systems Development*

R-1 ITEM NOMENCLATURE

PE 0203726A: *Adv Field Artillery Tactical Data System*

PROJECT

322: *Adv Fa Tac Data Sys/Eff Cntrl Sys (AFATDS/ECS)*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Release V6.6 (BC 10 - Marshall)	3	2010	3	2010
Fielding V6.6 (BC 10 - Marshall)	3	2010	4	2010
Materiel Release V6.7 (BC 11 - MacArthur)	1	2011	1	2011
Fielding V6.7 (BC 11 - MacArthur)	1	2011	2	2011
Materiel Release V6.8 (BC 13 - Eisenhower)	4	2012	4	2012
Fielding V6.8 (BC 13 - Eisenhower)	4	2012	2	2013
Development and Testing V6.9 (BC 15 - Arnold)	4	2011	1	2014
Materiel Release V6.9 (BC 15 - Arnold)	3	2014	3	2014
Fielding V6.9 (BC 15 - Arnold)	3	2014	1	2015
Development and Testing V7.0	4	2013	2	2016
Materiel Release V7.0	3	2016	3	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>				PROJECT F19: <i>JADOCS</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
F19: <i>JADOCS</i>	11.440	11.787	11.507	-	11.507	5.726	5.707	5.733	5.828	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification Joint Automated Deep Operations Coordination System (JADOCS) is a Joint, Interagency, and Multinational (JIM) Targeting, Mission Management, and Common Operational Picture (COP) Windows-based software suite which functions as a complementary system to the Advanced Field Artillery Tactical Data System (AFATDS). JADOCS provides integration and synergy between multiple Command & Control (C2) systems of the uniformed services, and joint and combined elements involved in the targeting process and performs coordination and calculates collateral damage. JADOCS Mission Managers support this coordination amongst Warfighter functional areas to rapidly execute critical missions. JADOCS enables coordination and de-confliction of conventional and asymmetric war-fighting missions. JADOCS uses a map-oriented Graphical User Interface (GUI) and overlays as a framework for information display. JADOCS is fielded to Air Force, Navy, Marine, and Army units involved in the targeting process at Echelons Above Corps, Corps, and Division. JADOCS provides the Combatant Commands with the capability to plan and direct theater counter-fire and precision strike operations through the real time synchronization of US and Coalition assets. The application provides the Warfighter with a combination of tools, services and Mission Managers for rapid "system of systems" integration, visualization, coordination and deconfliction of critical mission information. It not only enhances Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems in the areas of strike planning but also in situational awareness, joint and combined interoperability and force transition in war. JADOCS is a component of the Integrated Fires Family of Systems (FOS) and complementary to the Army Battle Command Systems (ABCS) System of Systems (SoS). The increase in the FY12 funding of \$5.890 million is to upgrade and sustain JADOCS.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	
Title: Program Support Costs for JADOCS Software Development Efforts						0.571	0.630	0.315	-	0.315	
Articles:						0	0				
Description: Program support for JADOCS software development efforts for versions 1.0.4.1, 1.0.5.1, 1.0.6.0, and 1.0.7.0											
FY 2010 Accomplishments: Funded Program support for JADOCS software development efforts											
FY 2011 Plans: Continues the program support for JADOCS software development efforts											
FY 2012 Base Plans:											

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army			DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0203726A: Adv Field Artillery Tactical Data System	PROJECT F19: JADOCS				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Future program support for JADOCS software development efforts						
Title: JADOCS Software Develop Efforts costs Articles: Description: Complete development version 1.0.4.1, 1.0.5.1 and 1.0.6.0 Initiate development of version 1.0.7.0. FY 2010 Accomplishments: JADOCS software development efforts for version 1.0.4.1, 1.0.5.1 and 1.0.6.0 FY 2011 Plans: Complete JADOCS software development verison 1.0.5.1 and 1.0.6.0 FY 2012 Base Plans: Initiate JADOCS software version 1.0.7.0 efforts.		8.450 0	8.750 0	9.992	-	9.992
Title: Testing Articles: Description: Conduct and Support Test Activities FY 2010 Accomplishments: Conducted and supported JADOCS test activities. FY 2011 Plans: Continued JADOCS test activities. FY 2012 Base Plans: Future JADOCS test activities.		2.087 0	2.407 0	1.200	-	1.200
Title: SBIR/SBTT Articles: Description: Small Business Innovative Research/Small Business Technology Transfer Program FY 2010 Accomplishments: Supported Small Business Innovative Research/Small Business Technology Transfer Program		0.332 0	-	-	-	-
Accomplishments/Planned Programs Subtotals		11.440	11.787	11.507	-	11.507

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011
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C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy <p>In FY 2003, the Automated Deep Operations Coordination System (ADOCS) was renamed the Joint Automated Deep Operations Coordination System (JADOCS) and was transitioned to Product Manager, Fire Support Command and Control (FSC2).</p> <p>JADOCS has operated as a graduated Advanced Concept Technology Demonstration (ACTD) program since 2005. In 2008, the Vice Chief of Staff Army approved JADOCS for Acquisition program status under the Capabilities Development for Rapid Transition (CDRT) program. Commencing in FY 10 and continuing through FY 15, the Army will provide funding for its requirements under JADOCS. The Army started development of a Capabilities Production Document in 2008 and should seek Joint Requirements Oversight Council (JROC) approval in FY2011.</p> <p>JADOCS is presently fielded to U.S. Central Command (USCENTCOM), U.S. Pacific Command (USPACOM), U.S. Forces Korea (USFK) and U.S. European Command (USEUCOM), including their subordinate commands. JADOCS is distributed to over 200 servers, 2600 workstations and 4000 users worldwide. Additionally, JADOCS is fielded to coalition partners. The Republic of Korea, the United Kingdom, and North Atlantic Treaty Organization (NATO) have Foreign Military Sales (FMS) cases.</p>		
E. Performance Metrics <p>Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				PE 0203726A: Adv Field Artillery Tactical Data System				F19: JADOCS					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SIBR/STTR	Various	Ft. Monmouth:Fort Monmouth, NJ	-	-		-		-		-	Continuing	Continuing	Continuing
Business/Technical Services	Various	Chenega Federal Systems:Various	-	0.404		0.165		-		0.165	Continuing	Continuing	Continuing
Subtotal			-	0.404		0.165		-		0.165			
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development & Test	SS/FP	Raytheon Systems Corp.:Alexandria, VA	-	8.809		-		-		-	Continuing	Continuing	Continuing
Software Development & Test	Various	TBD:TBD	-	-		9.992		-		9.992	Continuing	Continuing	Continuing
Subtotal			-	8.809		9.992		-		9.992			
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management - Government	Various	Fort Monmouth and APG:NJ / MD	-	0.200		0.150		-		0.150	Continuing	Continuing	Continuing
Subtotal			-	0.200		0.150		-		0.150			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	Various	Joint Service Testing:Various	-	2.374		1.200		-		1.200	Continuing	Continuing	Continuing
Subtotal			-	2.374		1.200		-		1.200			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army							DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>				PROJECT F19: <i>JADOCS</i>		
	Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	-	11.787	11.507	-	11.507				
Remarks									

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>			PROJECT F19: <i>JADOCS</i>

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Materiel Release - McArthur																												
Fielding - McArthur																												
Software Development (BC 13) Capability Set 13-14 (Eisenhower)																												
Materiel Release - Eisenhower																												
Fielding - Eisenhower																												
Software Development (BC 15) Capability Set 15-16 (Arnold)																												
Materiel Release - Arnold																												
Fielding - Arnold																												
Software Development (BC 17) - Capability Set 17-18																												
Materiel Release																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0203726A: <i>Adv Field Artillery Tactical Data System</i>	PROJECT F19: <i>JADOCS</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Release - McArthur	4	2010	4	2010
Fielding - McArthur	4	2010	2	2011
Software Development (BC 13) Capability Set 13-14 (Eisenhower)	3	2010	4	2011
Materiel Release - Eisenhower	4	2012	4	2012
Fielding - Eisenhower	1	2013	3	2013
Software Development (BC 15) Capability Set 15-16 (Arnold)	4	2011	4	2013
Materiel Release - Arnold	4	2014	4	2014
Fielding - Arnold	1	2015	3	2015
Software Development (BC 17) - Capability Set 17-18	4	2013	4	2015
Materiel Release	4	2016	4	2016

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